

#3

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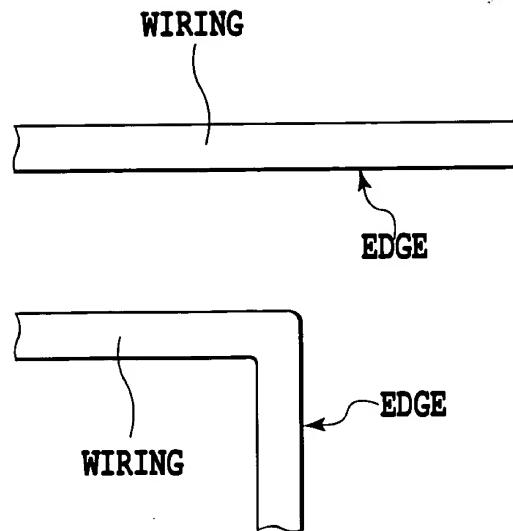


FIG.1

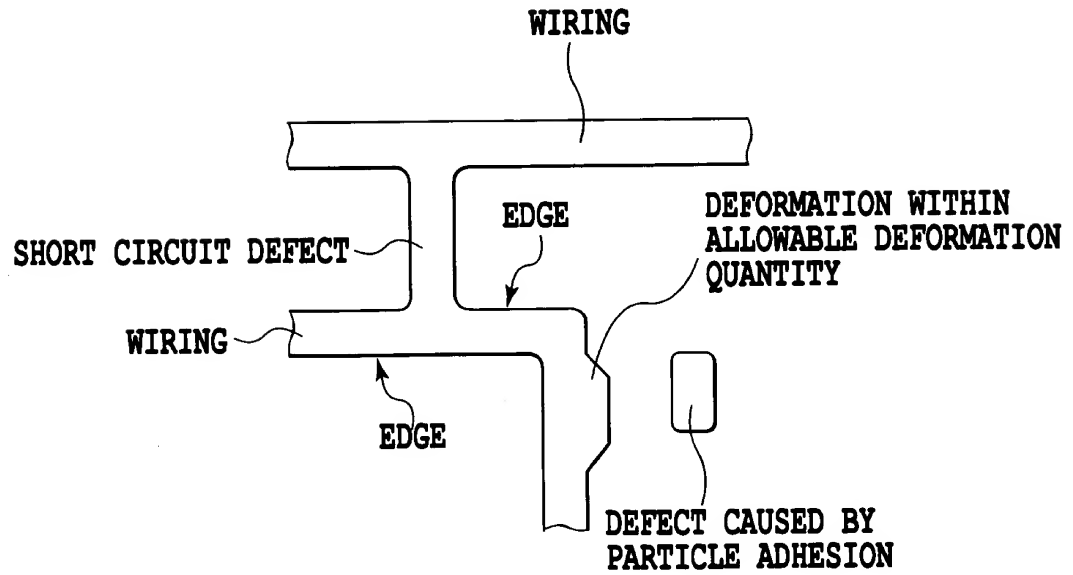


FIG.2

005280-22884960

005280" 2/28/960

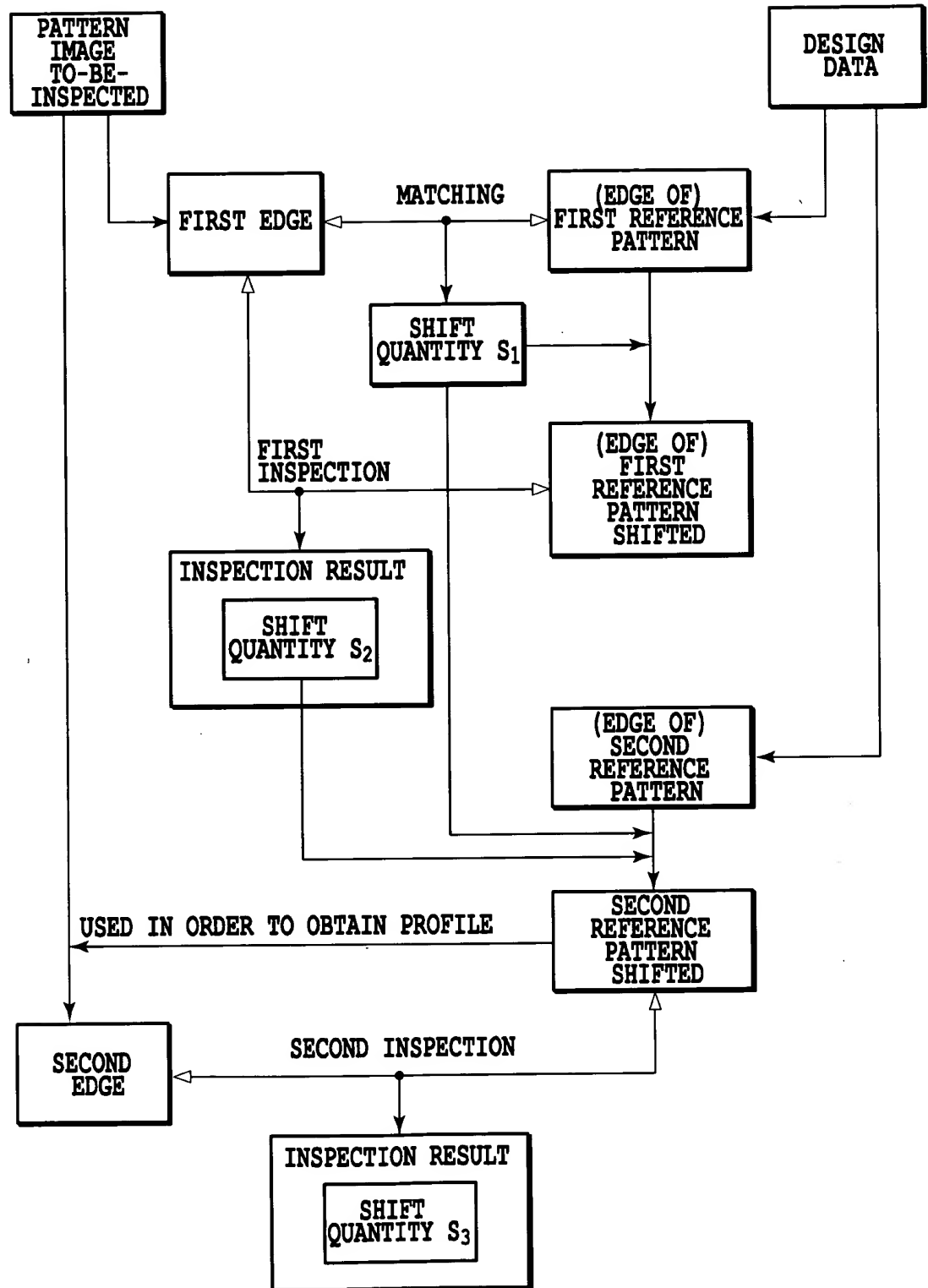


FIG.3

005230-24E84960

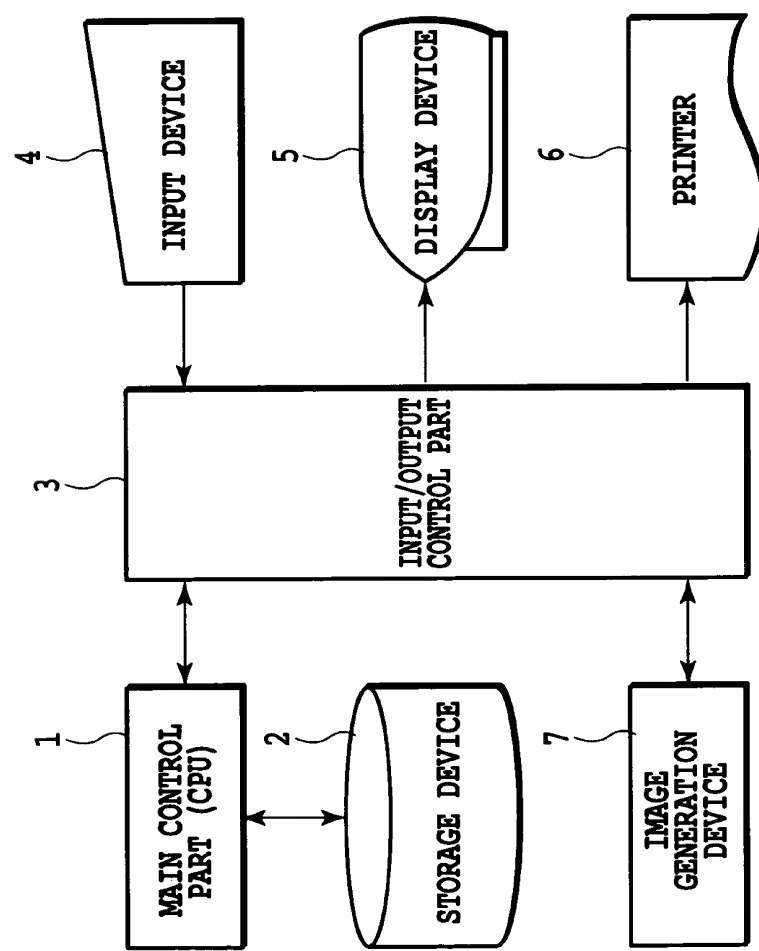


FIG.4

005280" 22E84960

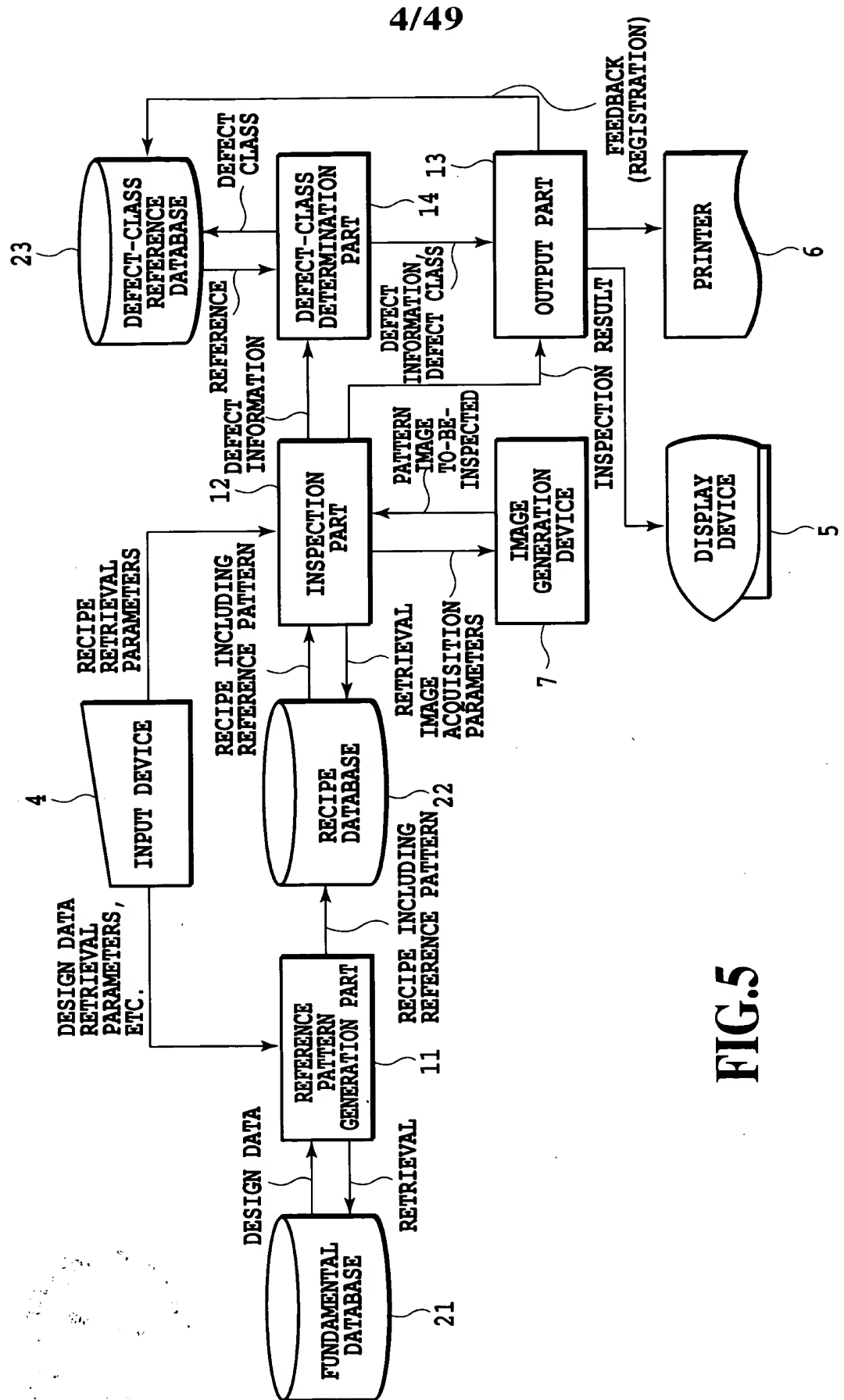


FIG.5

005780" 2/88+960

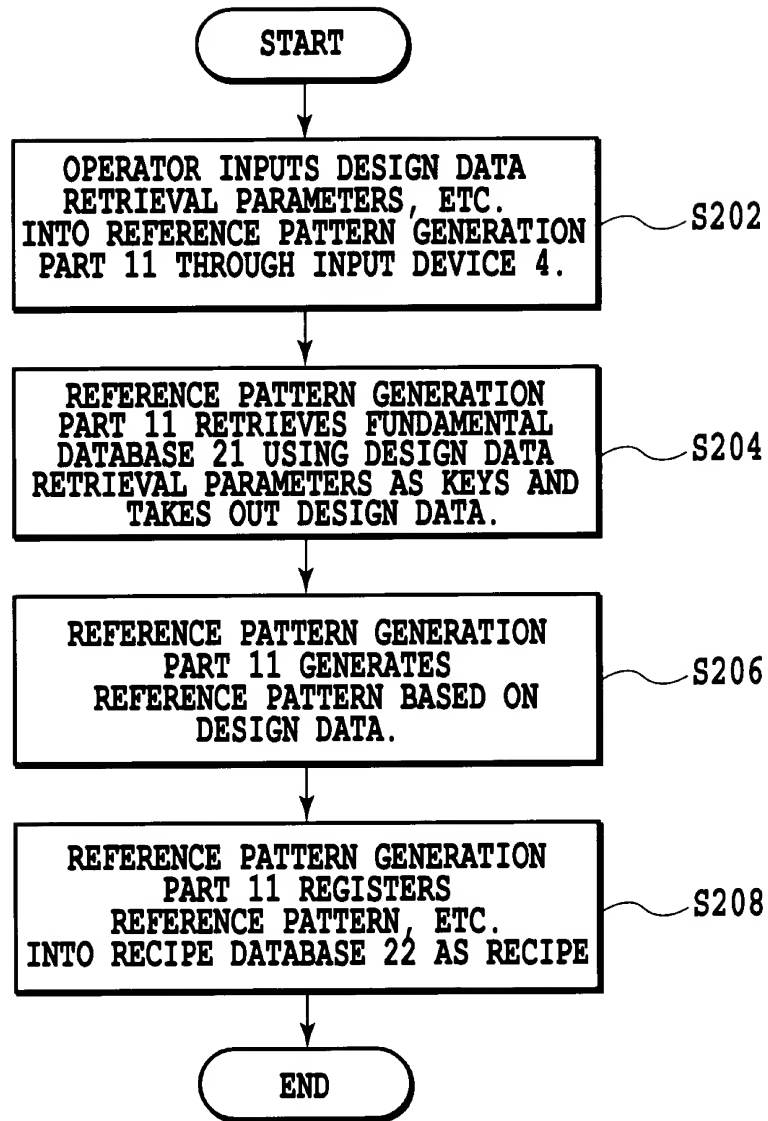


FIG.6

005280\*2/E84960

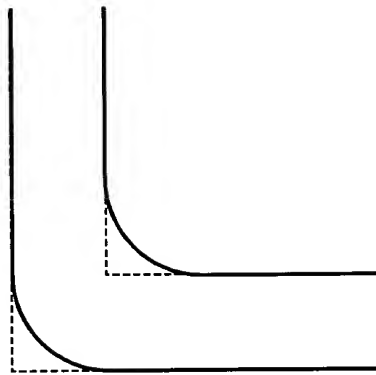


FIG.7

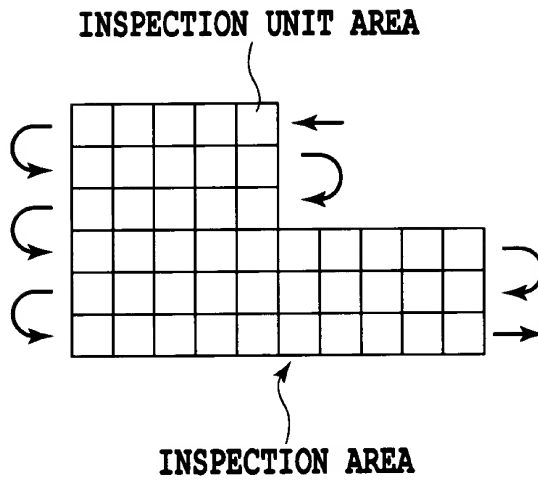


FIG.8

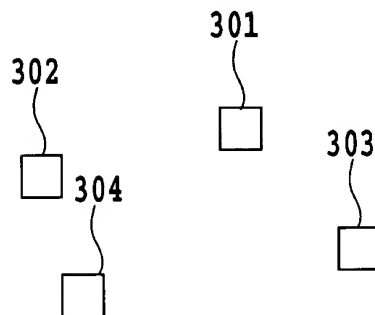


FIG.9

005280-2284960



09648372.082500

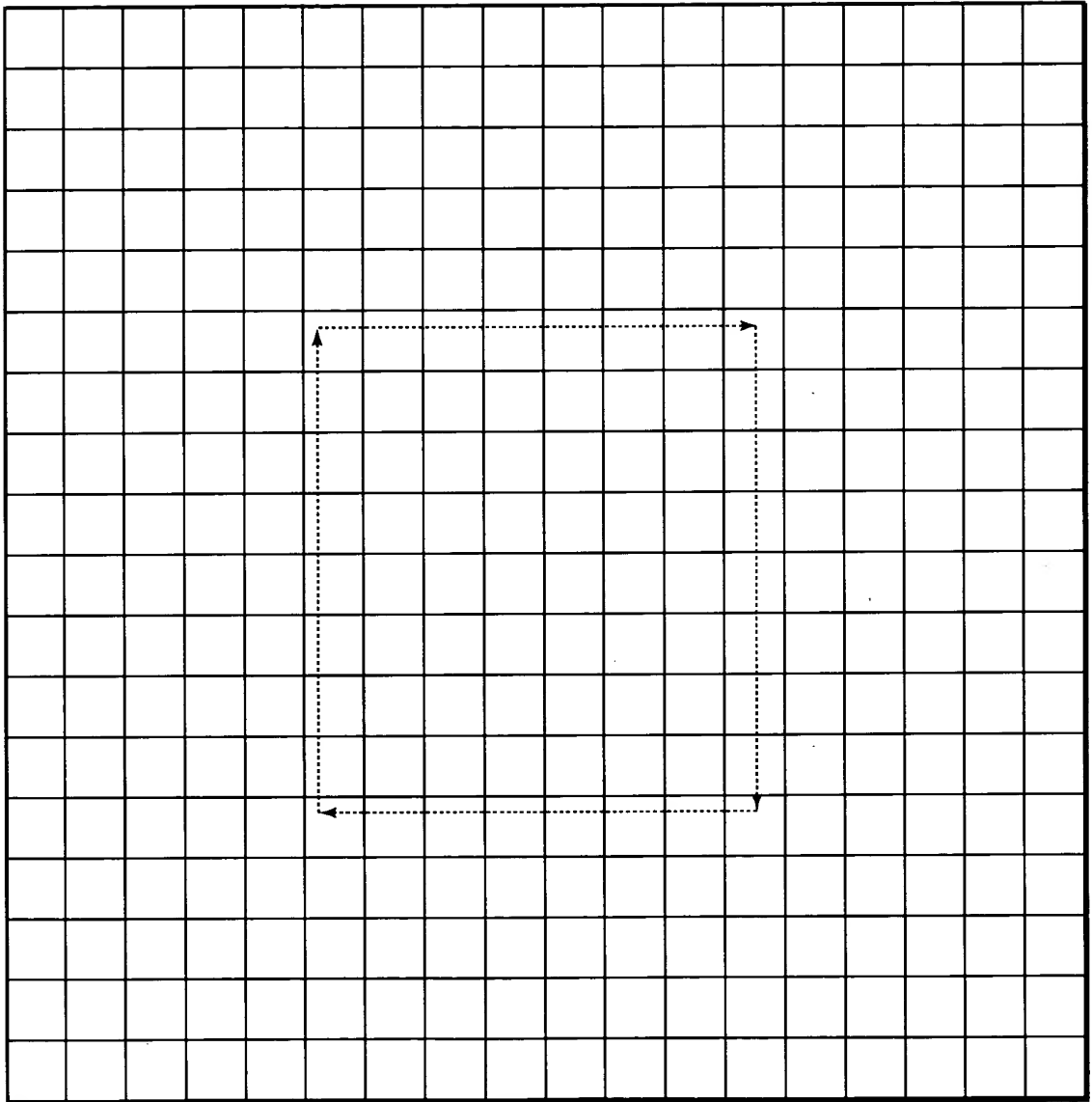


FIG.10

005220" 2/E84960

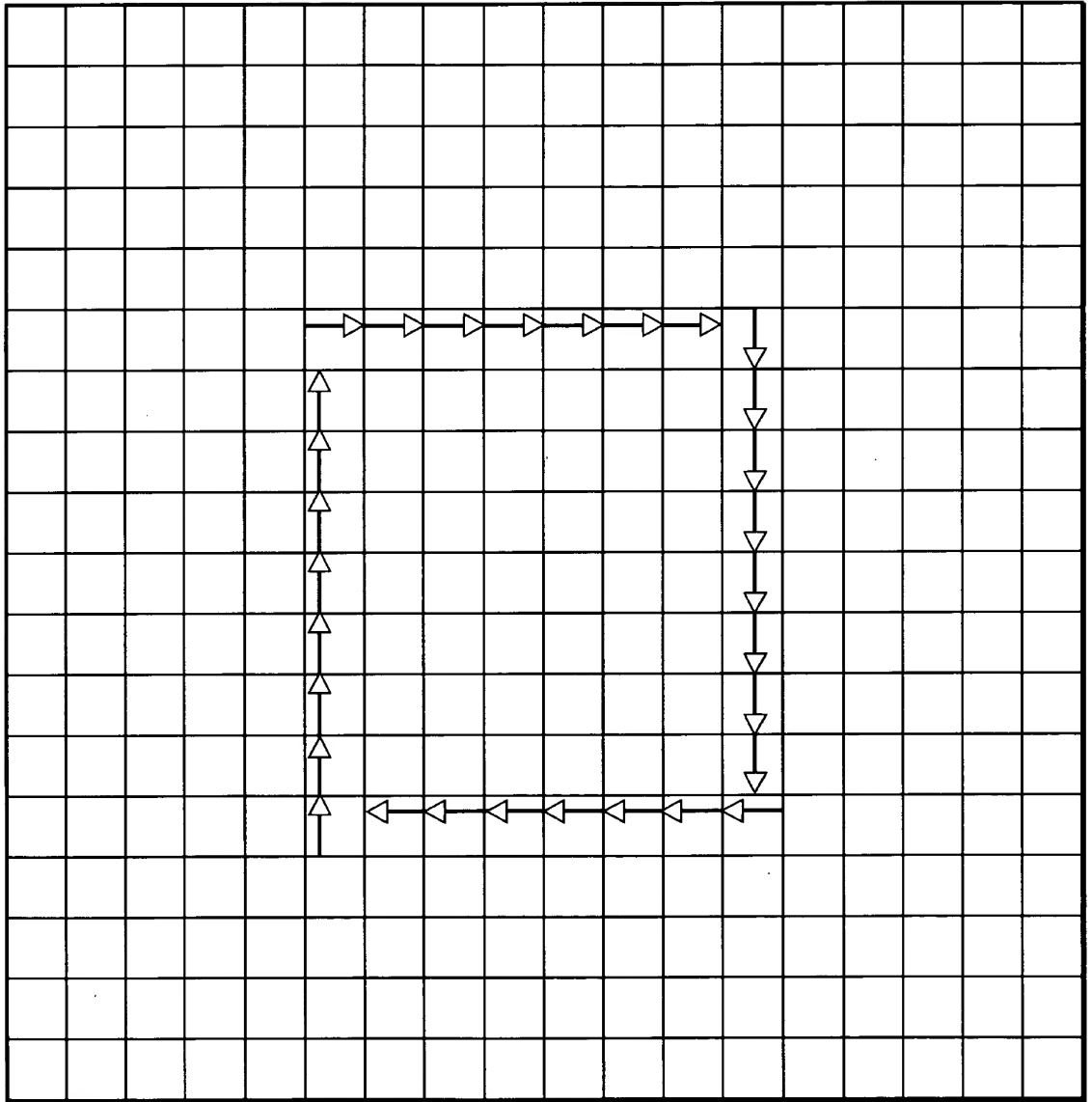


FIG.11

005280-2/E84950

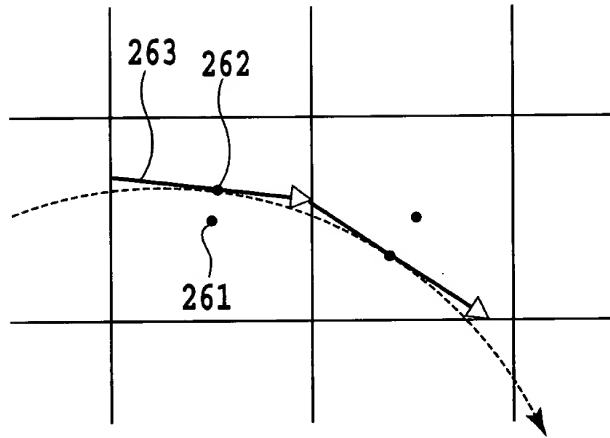


FIG.12

11/49

005280 27E84960 09648372 082500

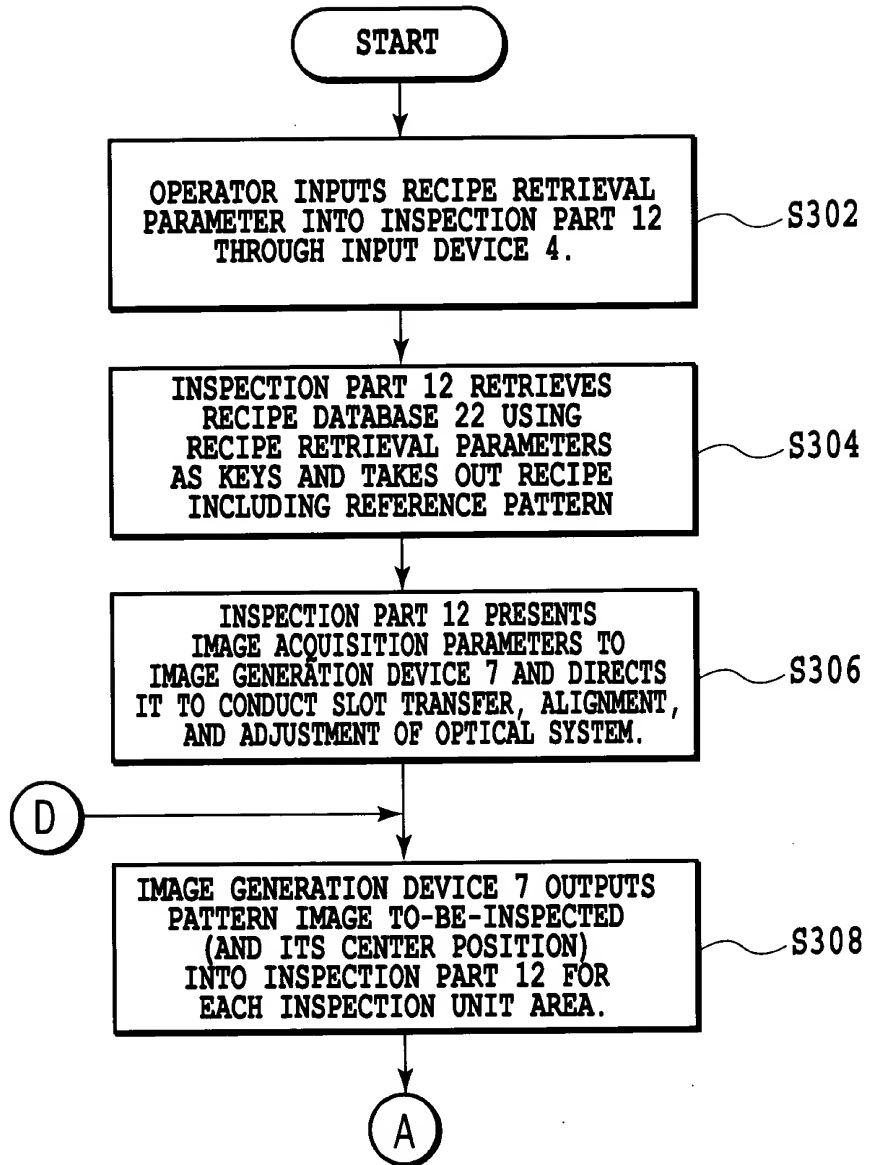


FIG.13A

005280-24584960

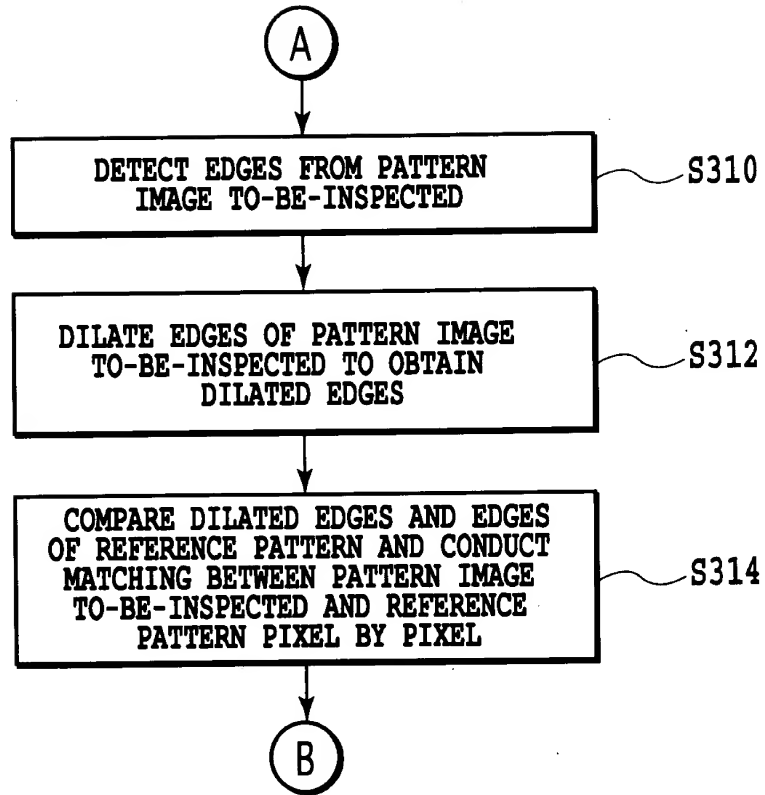


FIG.13B

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B

ASSUME CORRESPONDENCE BETWEEN EDGE  
OF PATTERN IMAGE TO-BE-INSPECTED  
AND EDGE OF REFERENCE PATTERN

S318

CONDUCT DEFECT DETECTION

S320

DID  
INSPECTION PART 12  
DETECT ANY DEFECT ?

S322

NO

YES

INSPECTION PART 12 OUTPUTS  
DEFECT INFORMATION INTO  
DEFECT-CLASS DETERMINATION PART 14.

S324

DEFECT-CLASS DETERMINATION PART 14  
JUDGES DEFECT CLASS BASED ON DEFECT  
INFORMATION AND INFORMATION OF DEFECT-  
CLASS REFERENCE DATABASE 23.

S326

DEFECT-CLASS DETERMINATION PART 14  
OUTPUTS DEFECT INFORMATION AND DEFECT  
CLASS INTO DISPLAY DEVICE 5, ETC.  
THROUGH OUTPUT PART 13.

S328

OBTAIN PATTERN DEFORMATION QUANTITIES  
FROM RELATION OF EDGE OF PATTERN IMAGE  
TO-BE-INSPECTED AND EDGE OF  
REFERENCE PATTERN.

S330

OUTPUT PATTERN  
DEFORMATION QUANTITIES  
INTO DISPLAY DEVICE 5, ETC.  
THROUGH OUTPUT PART 13

S332

C

FIG.13C

005280" 24E8+960

005280-24284960

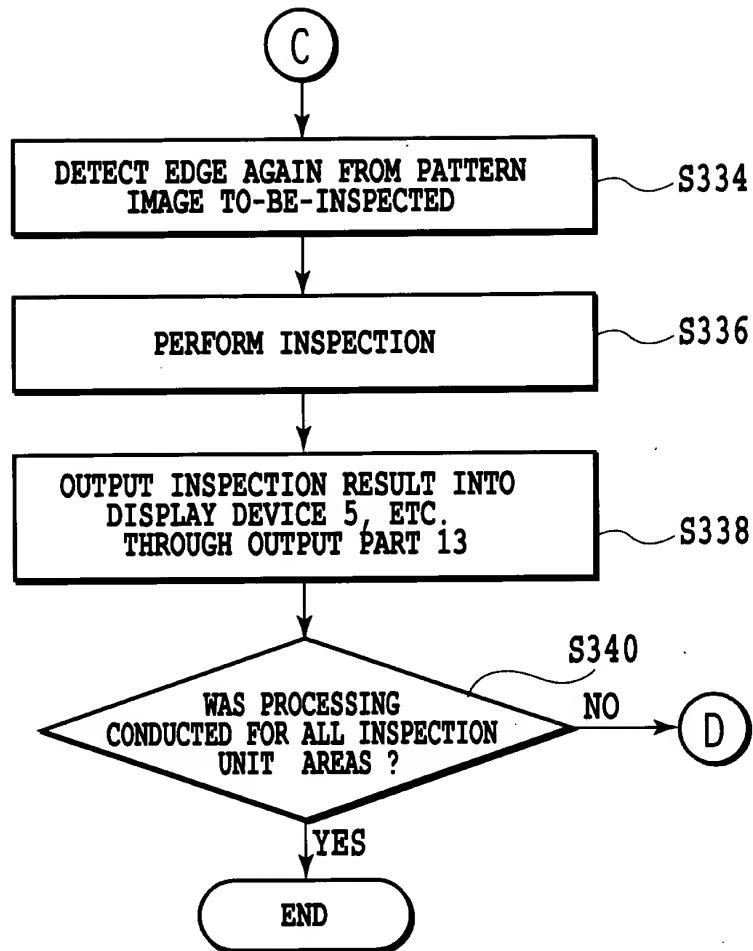


FIG.13D

005280" 2/E84960

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
80	60	40	20	0	0	0	0
100	100	100	80	60	40	20	0
100	100	100	100	100	100	80	60
100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100

FIG.14

005280° 22E84950

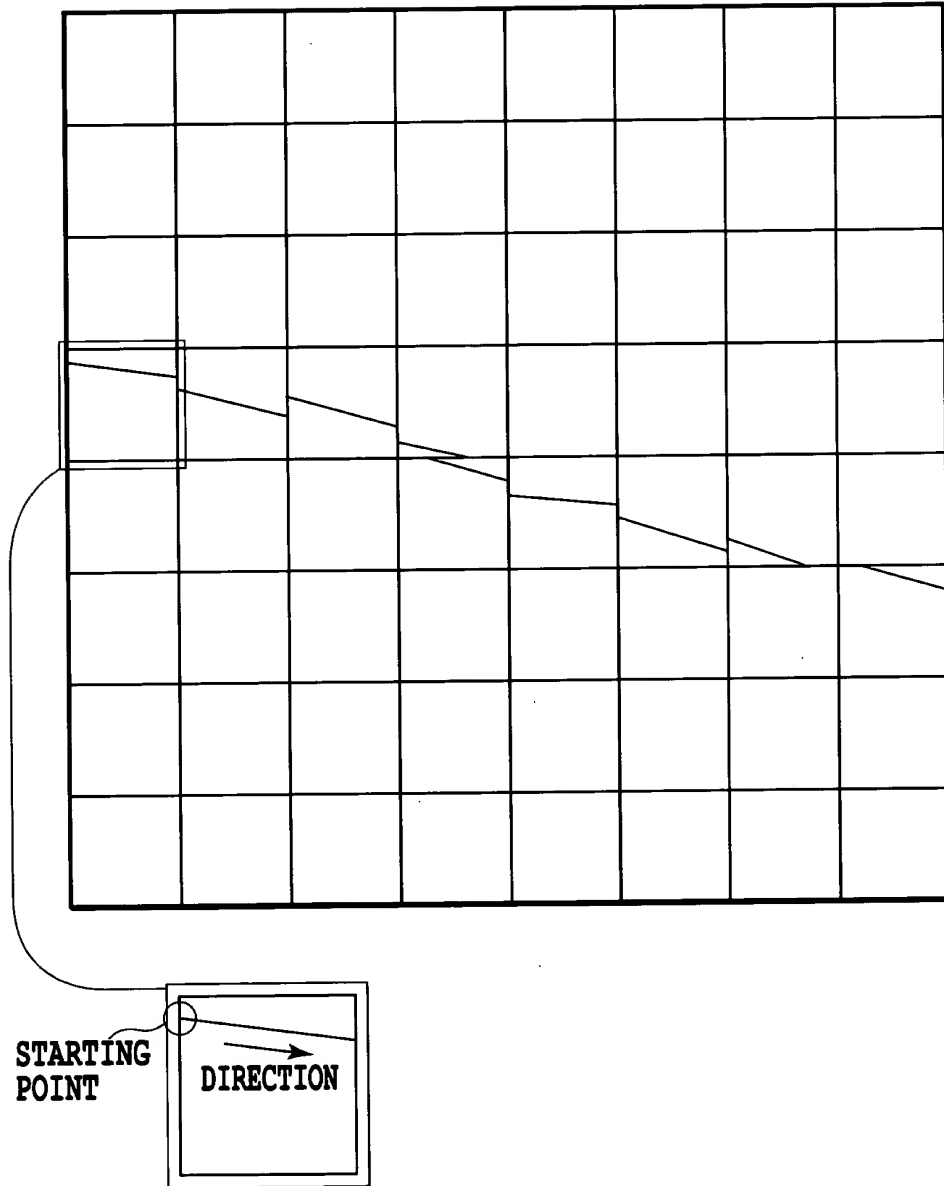


FIG.15

005280-22E24960

0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
85	55	45	15	0	0	0	0
85	100	100	85	55	40	20	0
15	45	55	85	100	100	60	50
0	0	0	15	45	60	90	100
0	0	0	0	0	0	30	50
0	0	0	0	0	0	0	0

FIG.16

005280" 22E84960

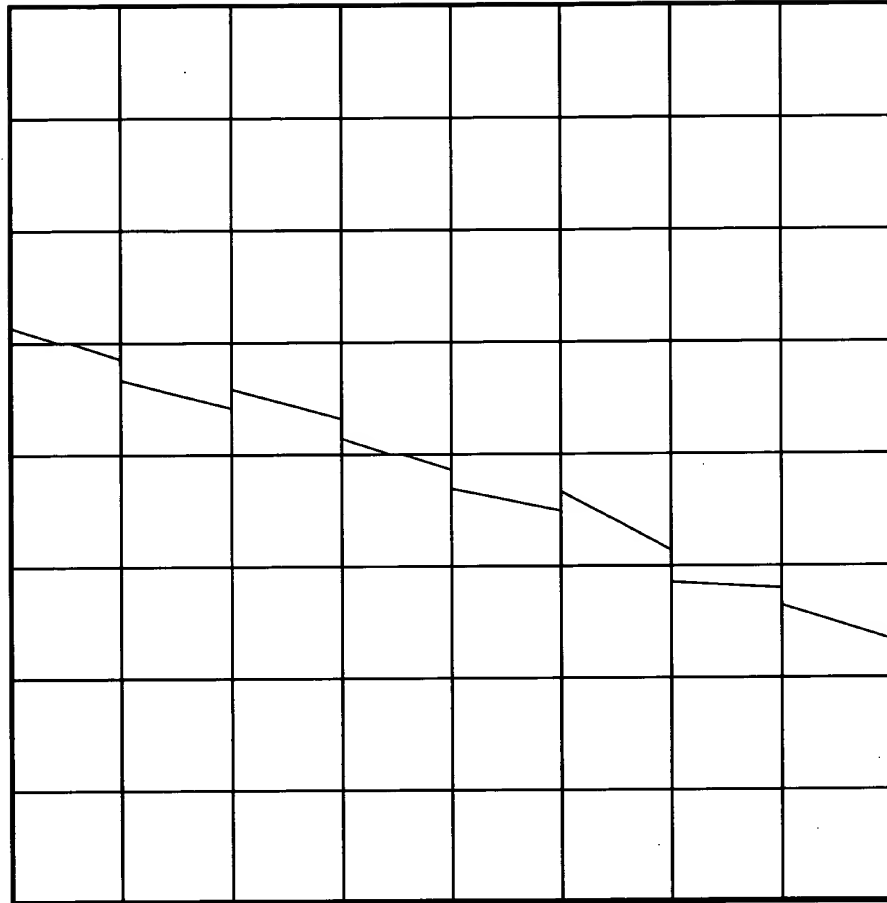


FIG.17

0	0	0	20	0	0	0	0	0	0	20	0	0	0	0
---	---	---	----	---	---	---	---	---	---	----	---	---	---	---

FIG.18

0	20	20	20	20	20	0	0	20	20	20	20	20	0	0
---	----	----	----	----	----	---	---	----	----	----	----	----	---	---

FIG.19

0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

FIG.20

005280" 2CE84960

20/49

0	10	15	20	15	10	0	0	10	15	20	15	10	0	0
---	----	----	----	----	----	---	---	----	----	----	----	----	---	---

FIG.21

0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

FIG.22

0	10	18	20	18	10	0	0	10	18	20	18	10	0	0
---	----	----	----	----	----	---	---	----	----	----	----	----	---	---

FIG.23

0.5	0.9	1.0	0.9	0.5
-----	-----	-----	-----	-----

FIG.24

005280" 22E84950

005280" 22E84960

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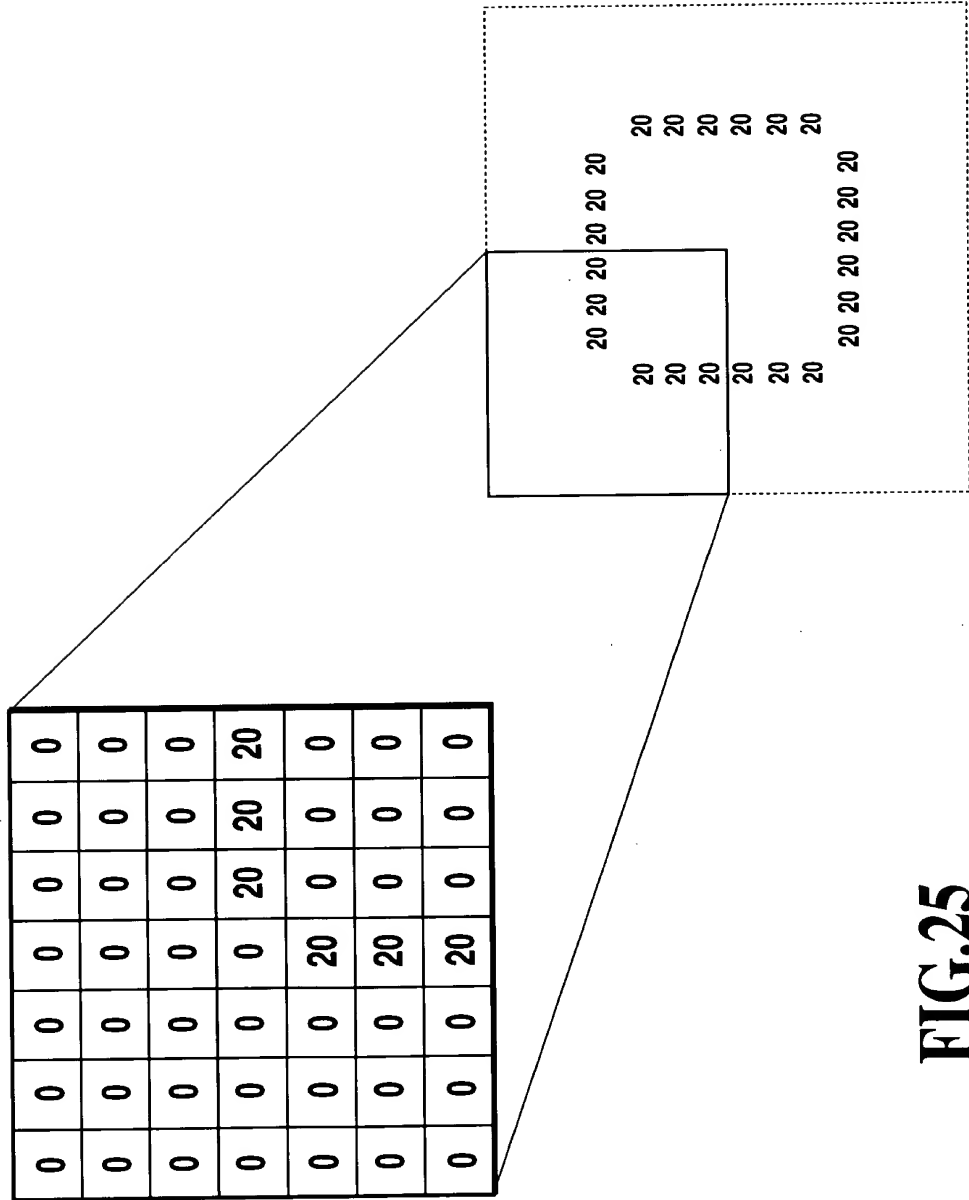


FIG.25

005280" 2/E84960

0	0	0	0	0	0	0	0
0	0	20	20	20	20	20	20
0	20	20	20	20	20	20	20
0	20	20	20	20	20	20	20
0	20	20	20	20	20	20	20
0	20	20	20	20	20	20	20
0	20	20	20	20	20	20	0

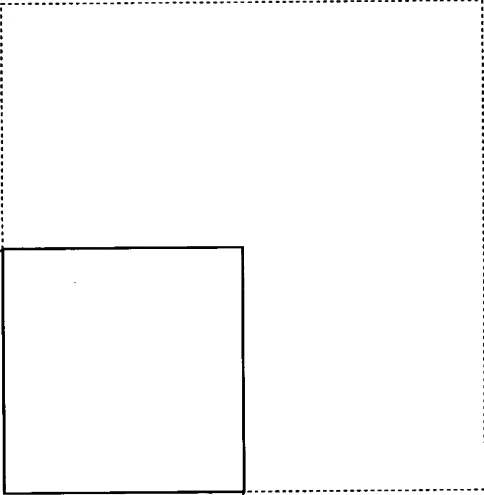


FIG.26

005280" 27E84960

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0	0	0	0	0	0	0
0	0	1	4	6	9	10
0	1	5	9	14	17	18
0	4	9	15	19	21	20
0	6	14	19	23	22	18
0	9	17	21	22	17	10
0	10	18	20	18	10	0

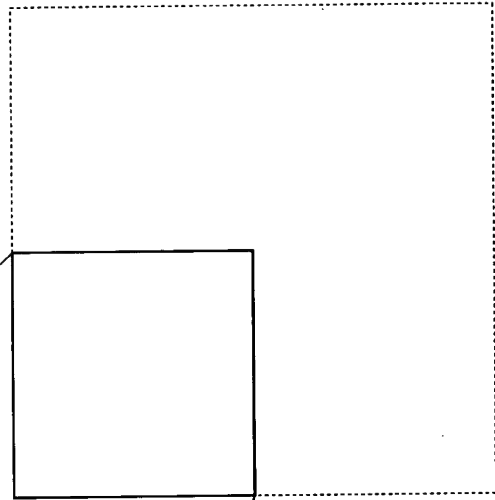


FIG.27

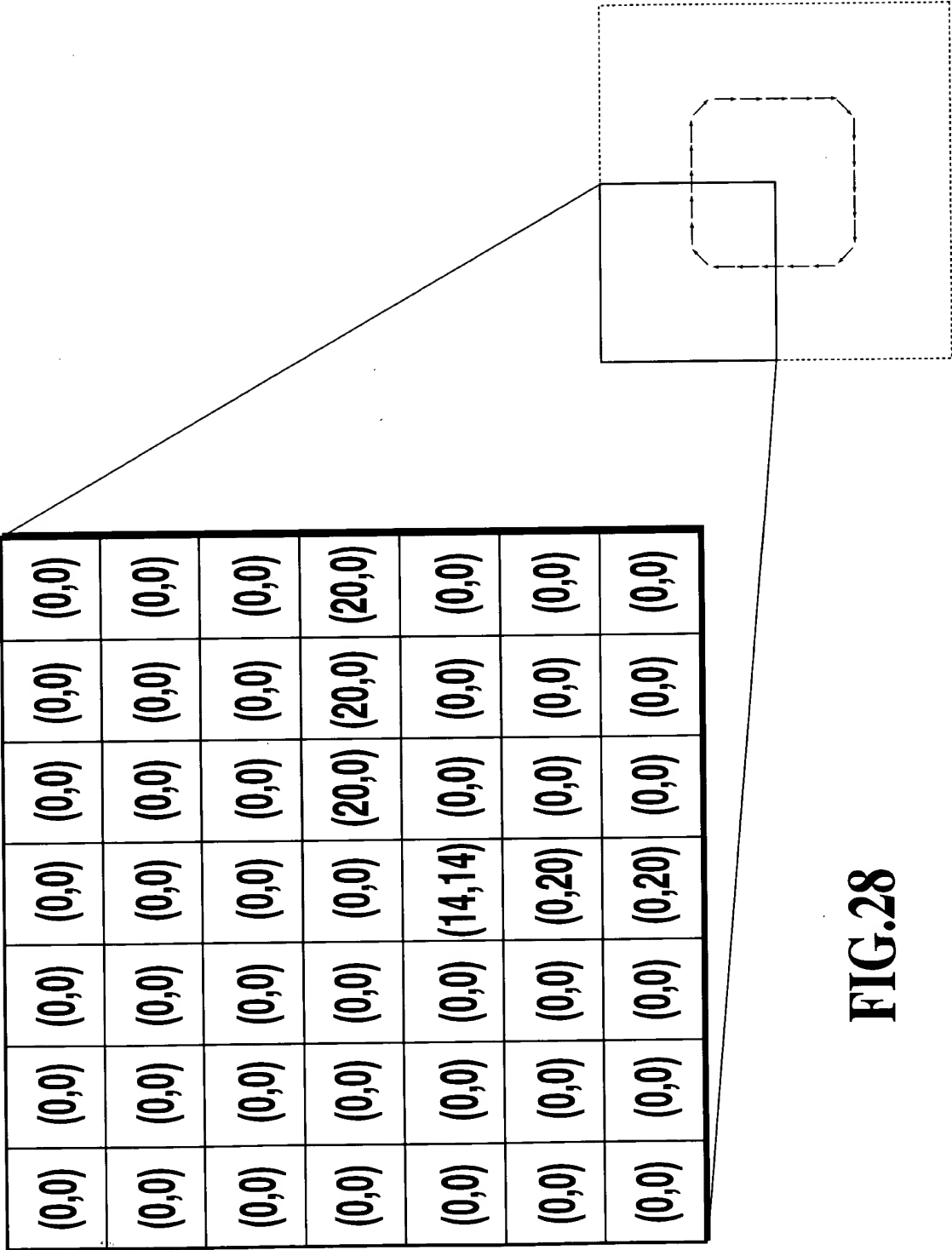


FIG.28

005280" 2/E8+960

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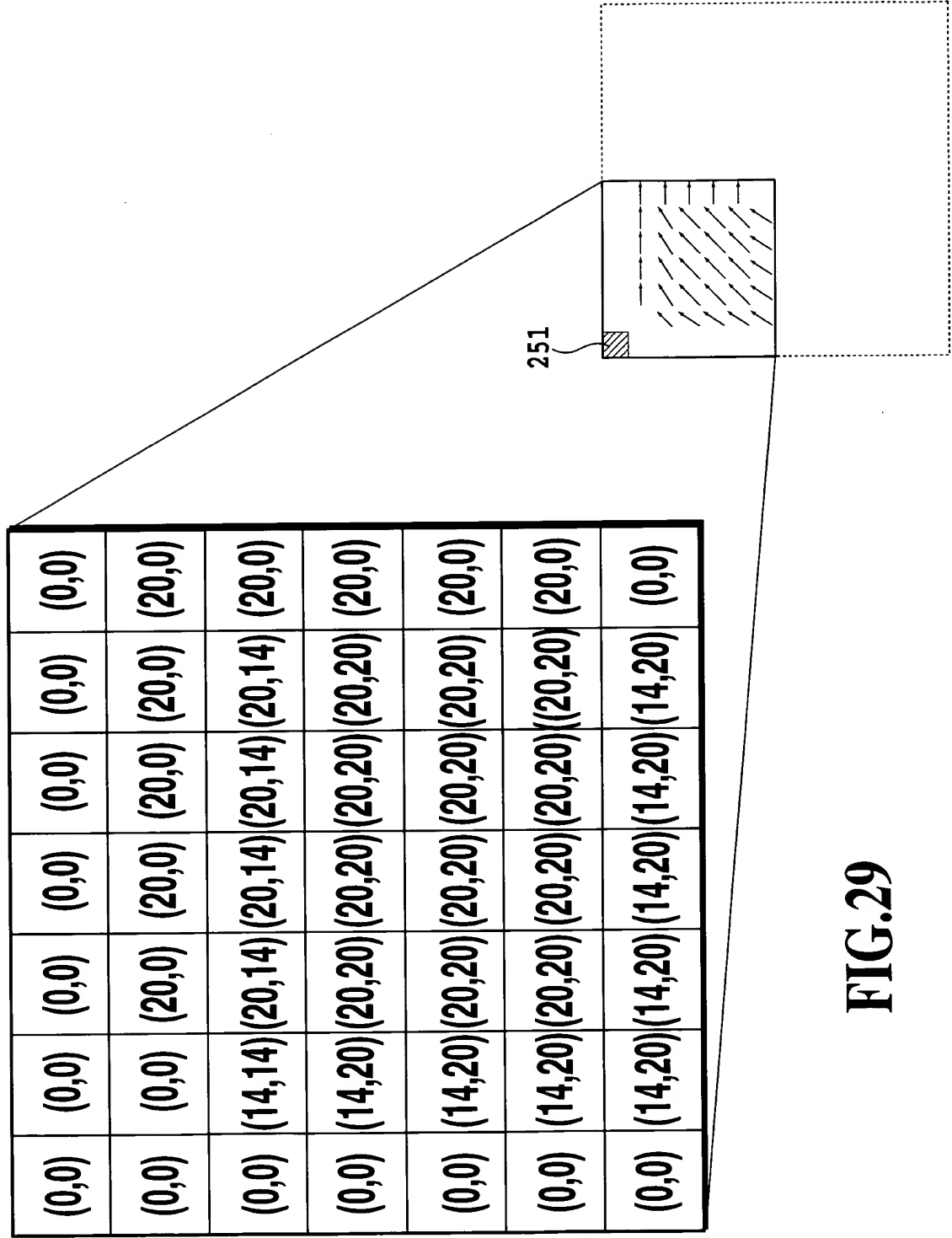


FIG.29

005230" 24E84960

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(0,0)	(0,0)	(0,0)	(0,0)	(0,0)	(0,0)	(0,0)
(0,0)	(0,0)	(1,0)	(4,0)	(6,0)	(9,0)	(10,0)
(0,0)	(1,1)	(4,2)	(9,2)	(13,2)	(17,1)	(18,0)
(0,0)	(2,3)	(6,5)	(11,6)	(16,5)	(19,3)	(20,0)
(0,0)	(2,6)	(6,10)	(10,11)	(15,10)	(18,6)	(18,0)
(0,0)	(2,8)	(4,14)	(7,16)	(9,14)	(10,8)	(10,0)
(0,0)	(1,10)	(2,17)	(2,19)	(2,17)	(1,10)	(0,0)

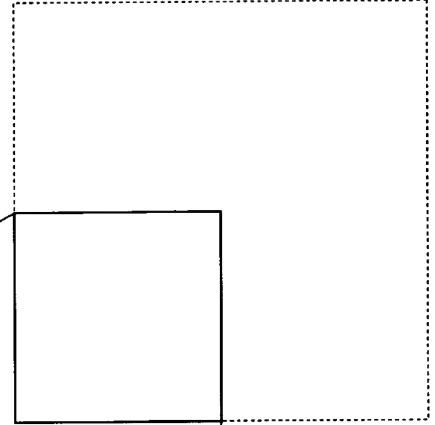


FIG.30



005280-22E34950

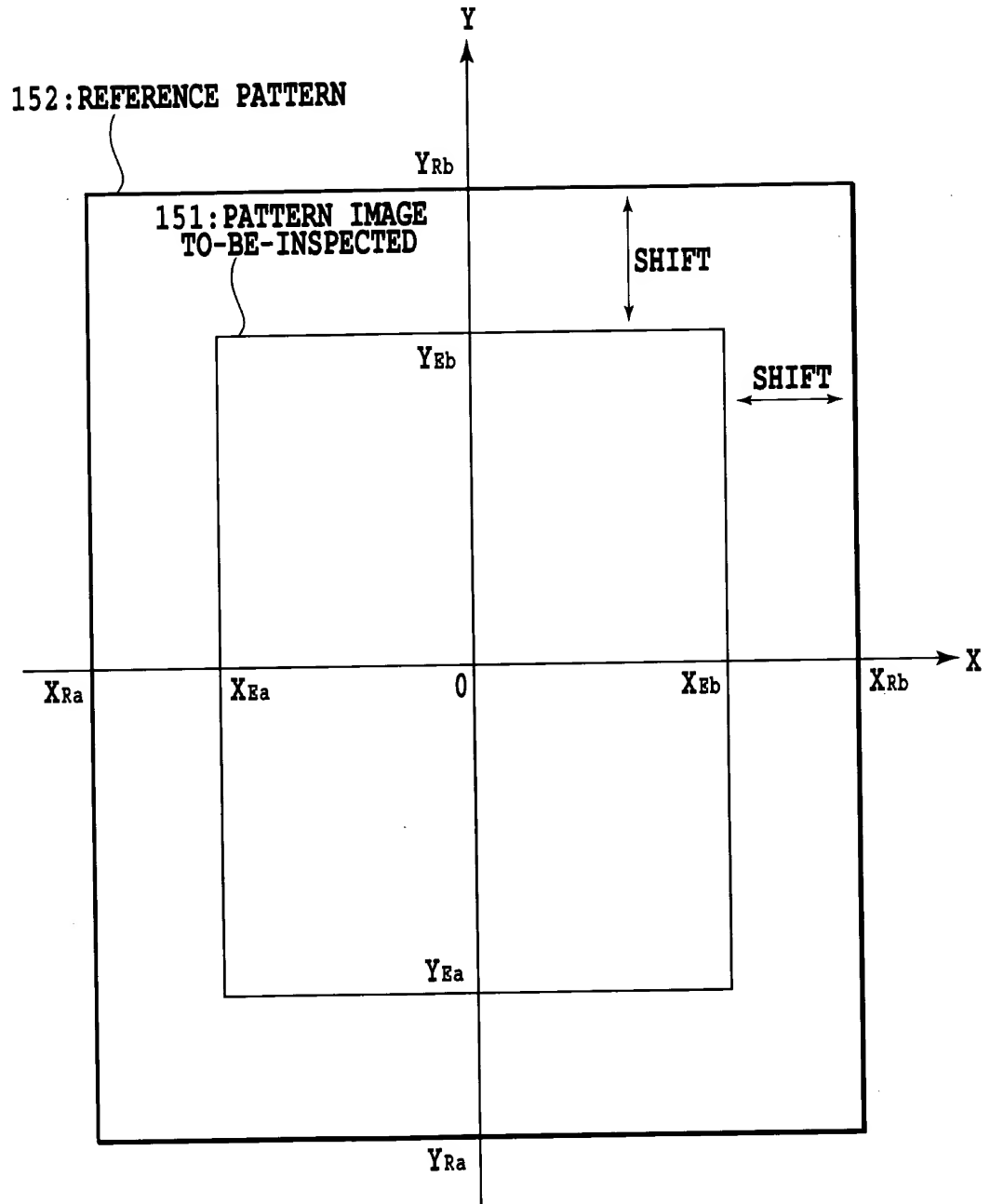


FIG.32

005280" 22E84950

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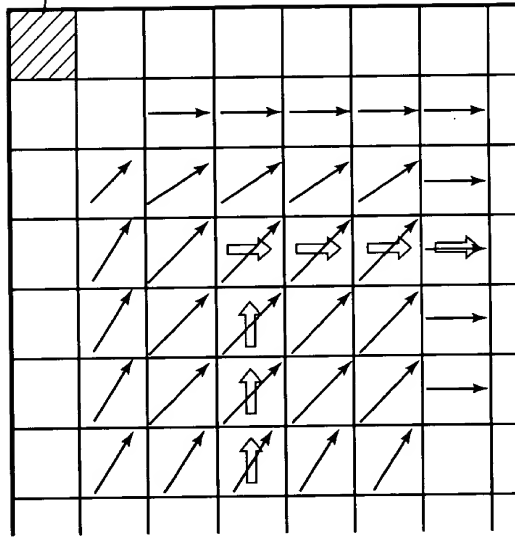


FIG.33

005280" 24E87960

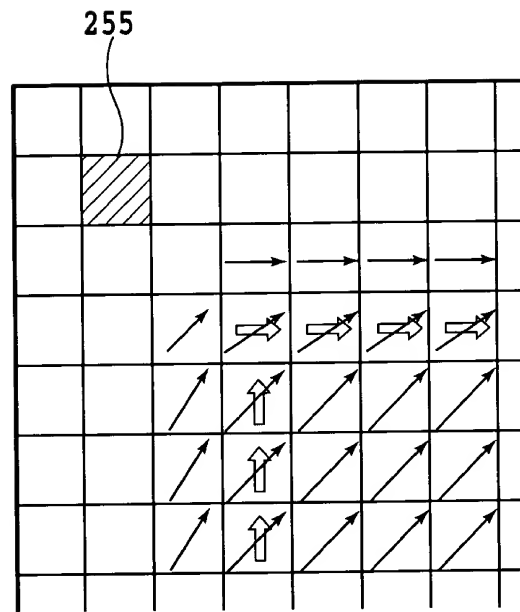


FIG.34

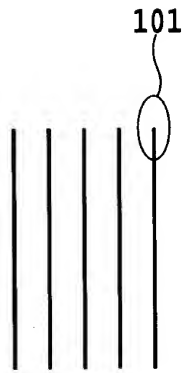


FIG. 35A

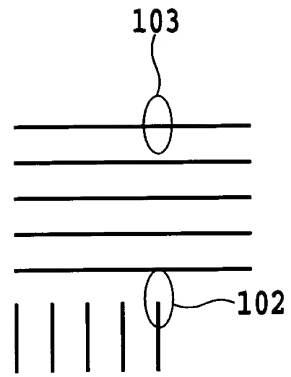


FIG. 35B

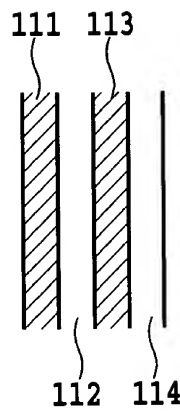
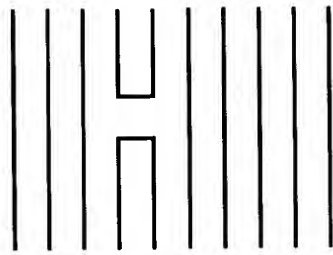


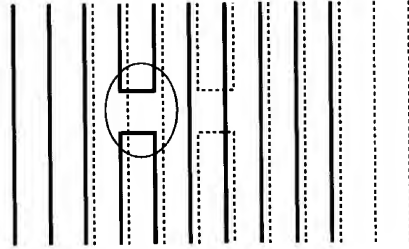
FIG. 36

005280-22E84950

005280" 2/E8+960



**FIG.37A**



**FIG.37B**



005280" 27E37960

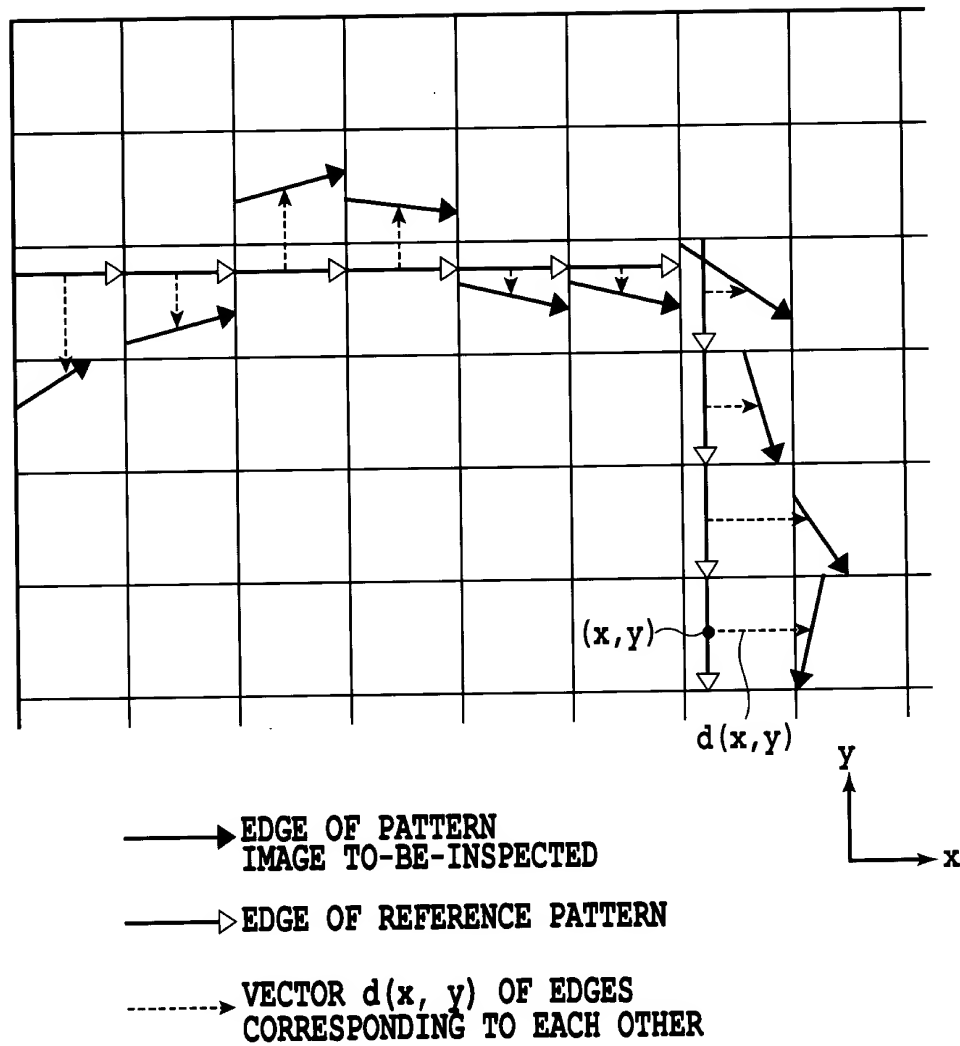


FIG.38

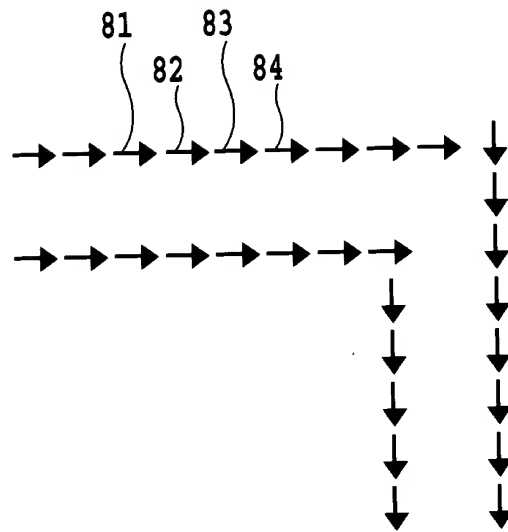


FIG.39A

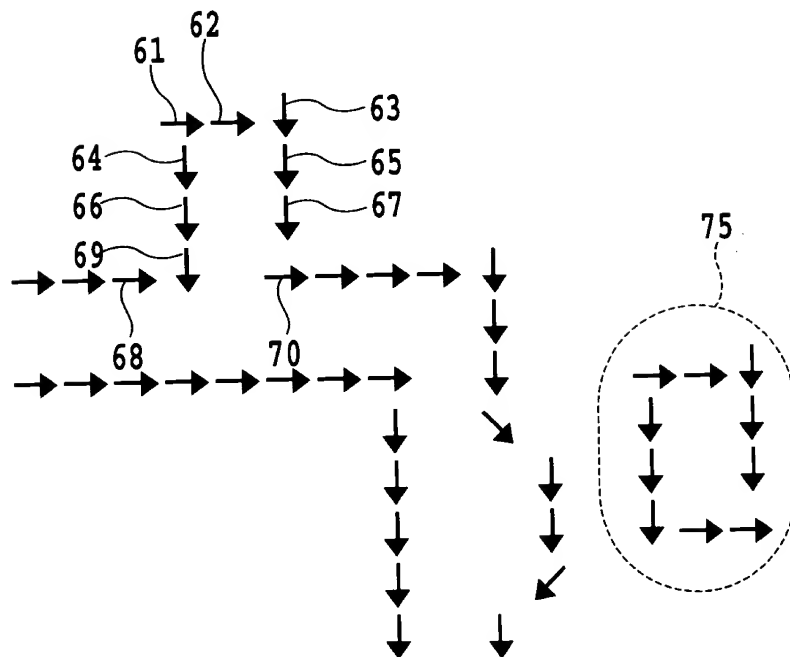


FIG.39B

005280-2/E84960

005280" 24E84960

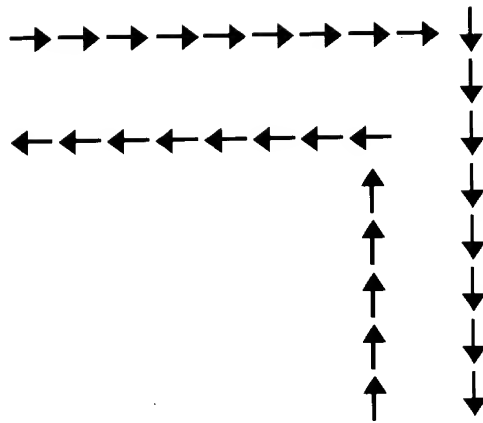


FIG.40

005280" 27E84960

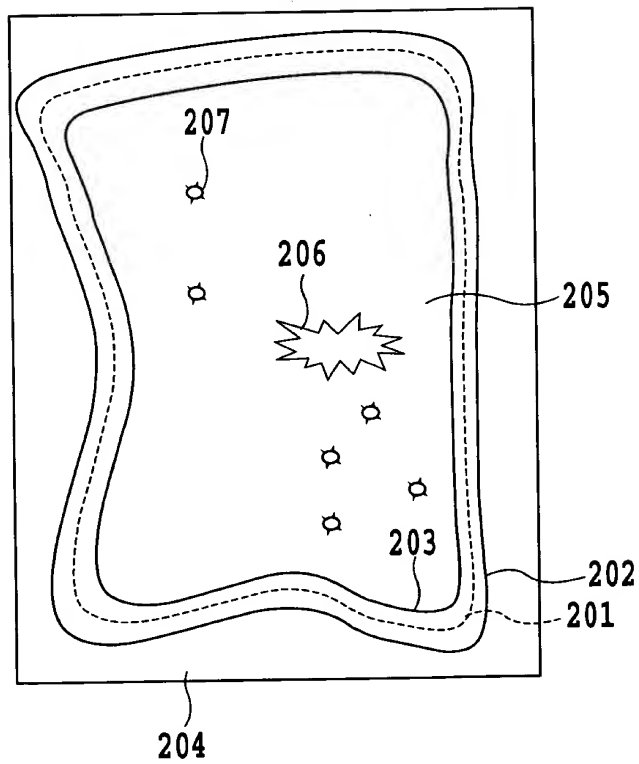


FIG.41

005280" 24E84960

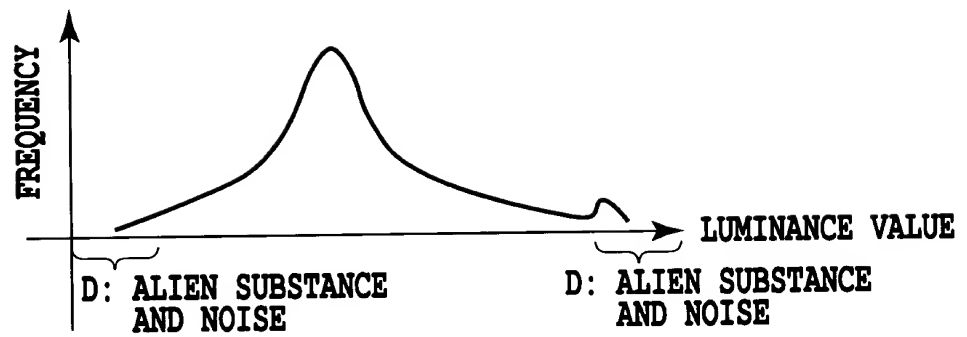


FIG.42

005230-24E84960

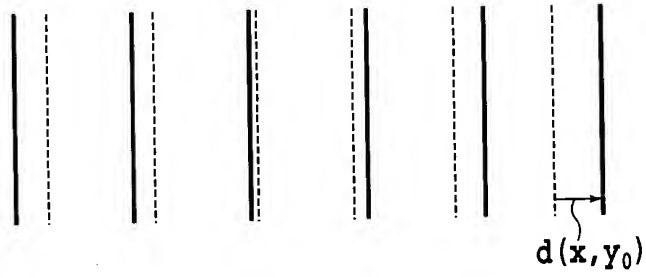


FIG.43A

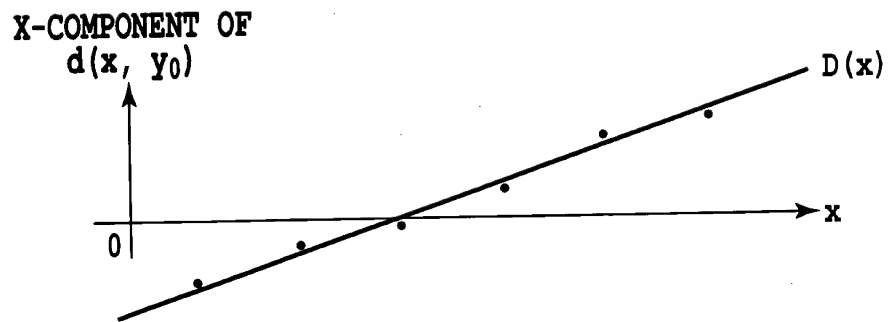


FIG.43B

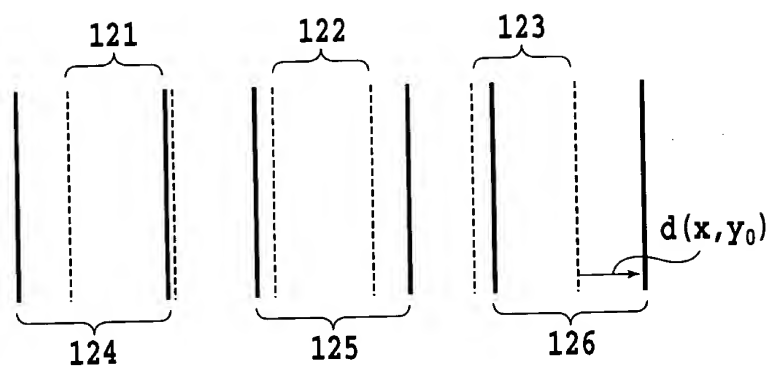


FIG.44A

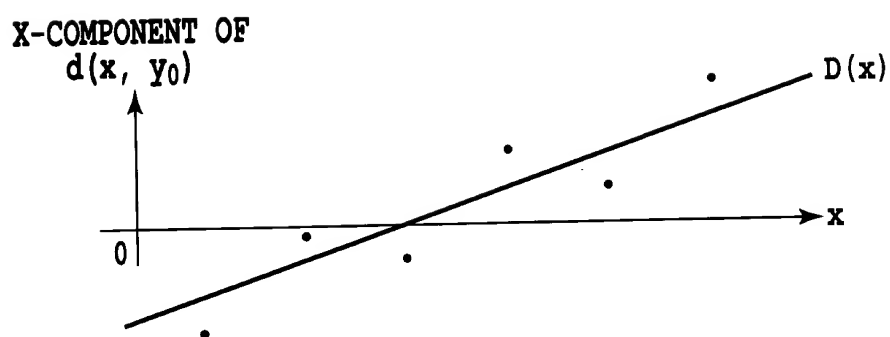


FIG.44B

005280 24E84960

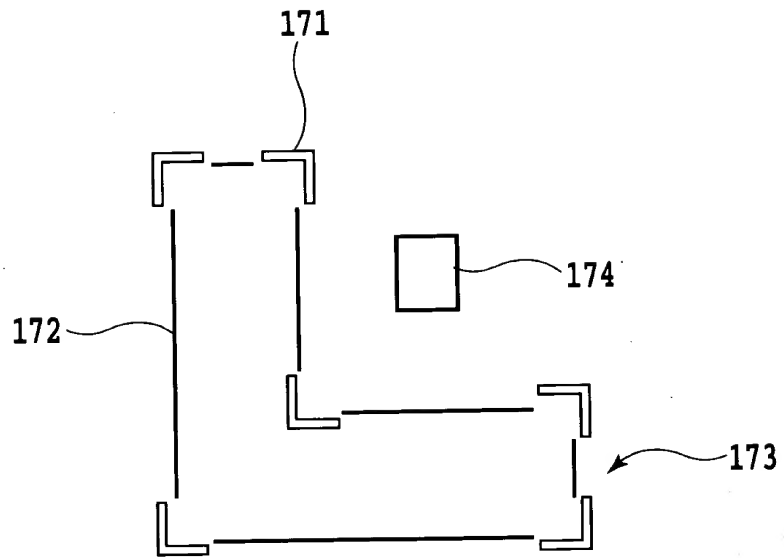


FIG.45

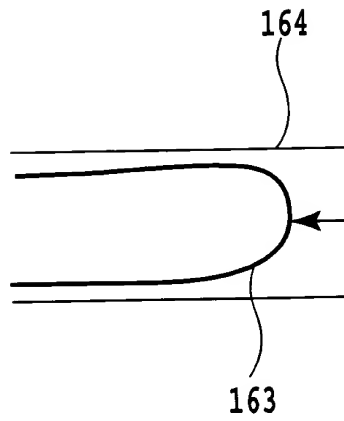


FIG. 46A

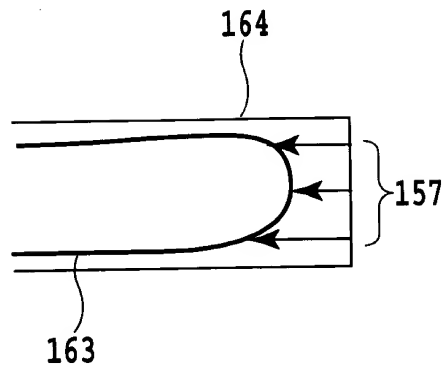


FIG. 46B

005280 24284960

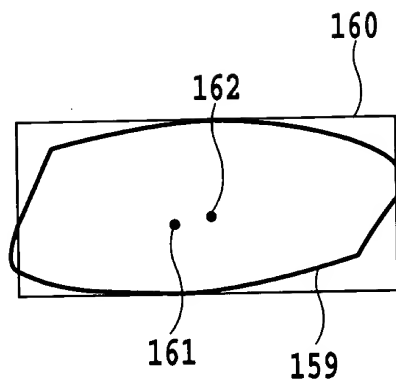


FIG.47

005280" 22E84960

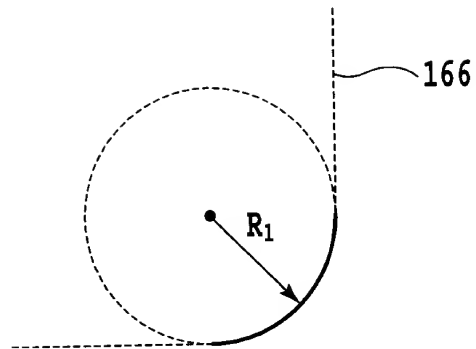


FIG. 48A

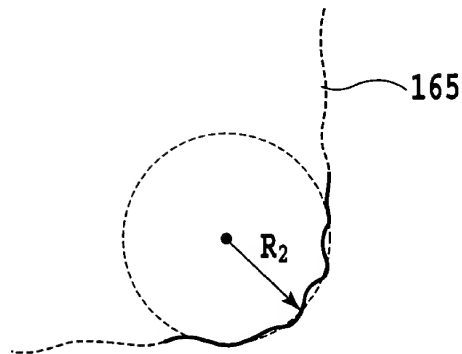


FIG. 48B

005280" 24E87960

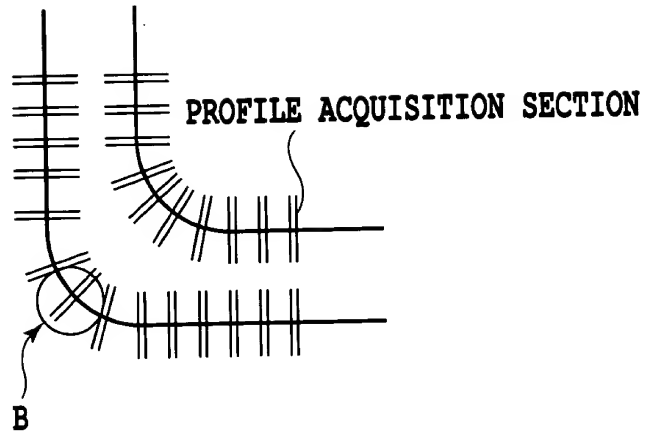


FIG.49

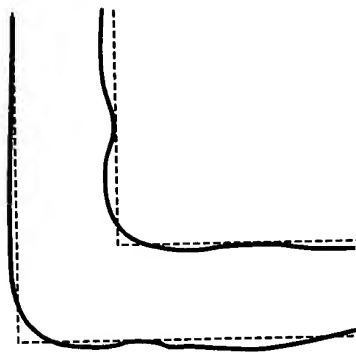


FIG.50

005230-24E84960

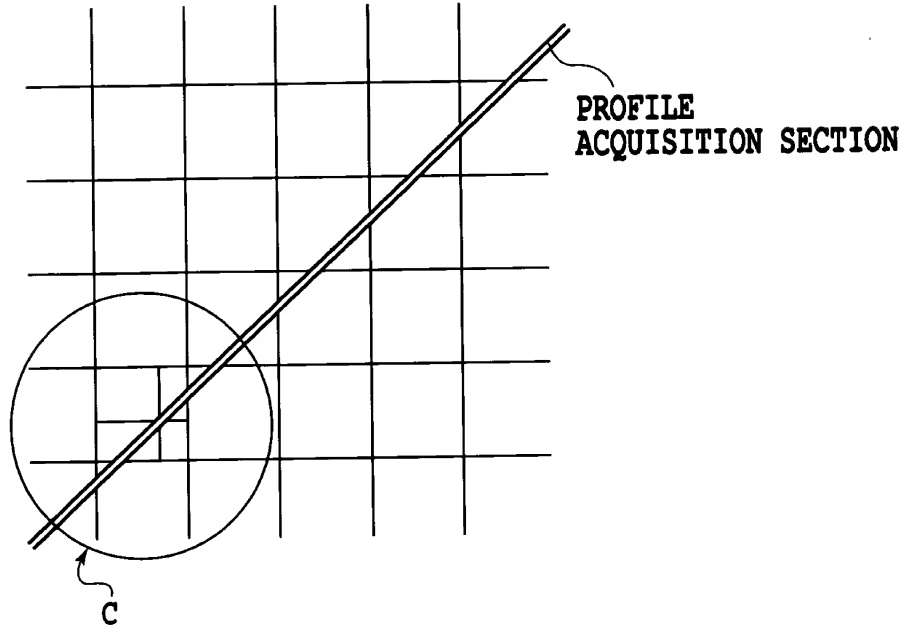


FIG. 51

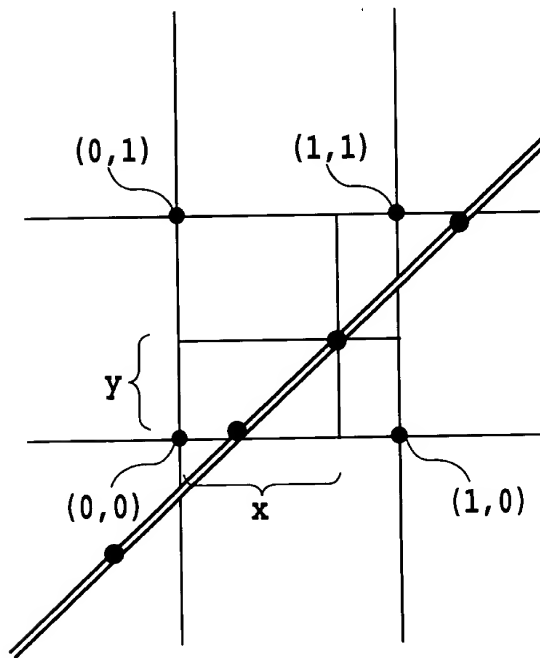


FIG. 52

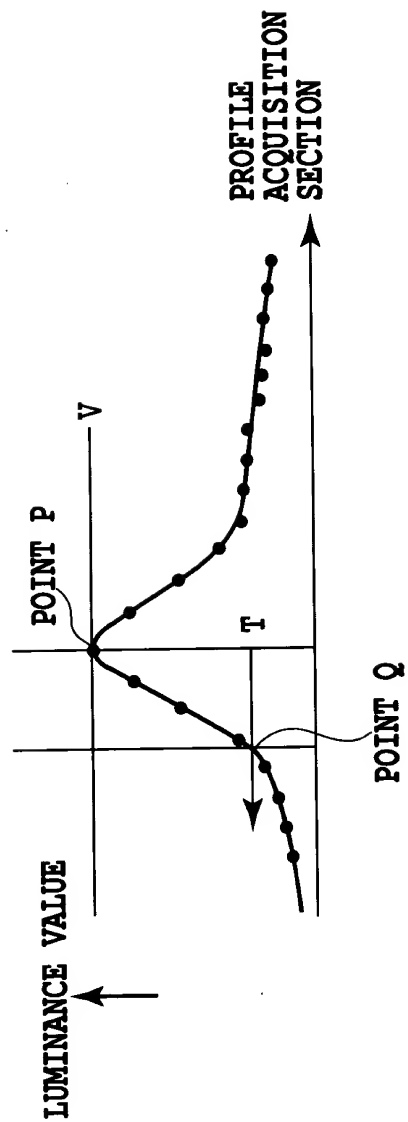


FIG.53

005280" 24E87960

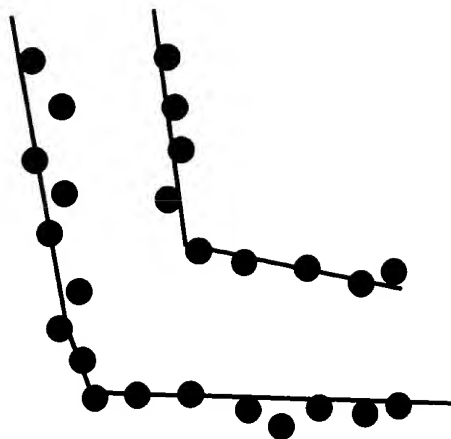


FIG.54A

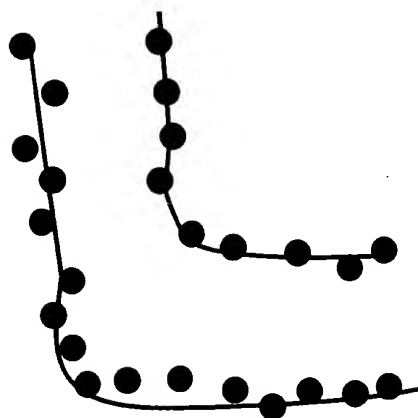


FIG.54B

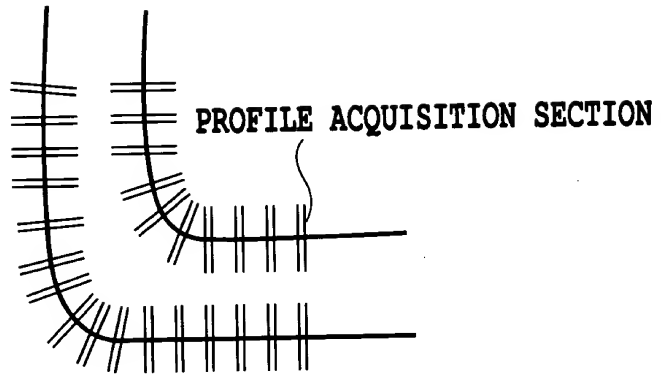


FIG.55A

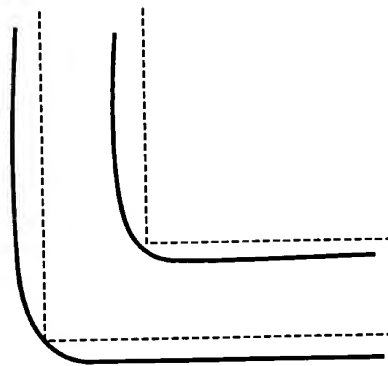


FIG.55B

09548372.082500

005280\* 22E8H960

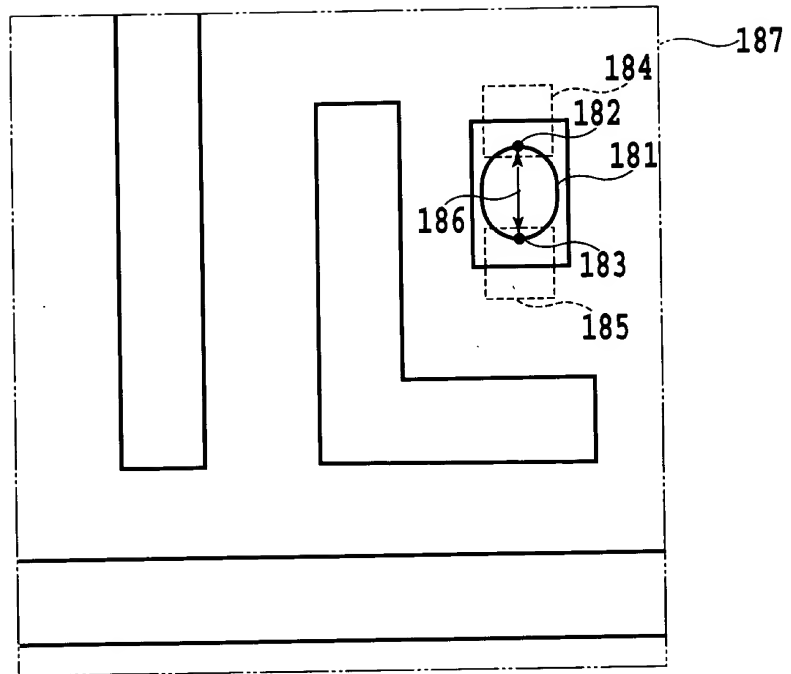


FIG.56